

What is claimed is:

1. A plastisol composition comprising 5 to 60 weight % of at least one pulverulent organic polymer, 5 to 65 weight % of at least one plasticizer, 1 to 30 weight % pulverulent saccharide selected from the group consisting of monosaccharides, disaccharides and oligosaccharides, and 0.01 to 40 weight % of at least one reactive additive selected from the group consisting of di- and polyisocyanates, blocked di- and polyisocyanates, microencapsulated di- and polyisocyanates, amino-functional additives, hydroxy-functional additives, epoxy resins, condensation products of epoxy resins and polyaminoamides and/or di- or polyamines, dicarboxylic acids, di- and tricarboxylic acid anhydrides,  $\beta$ -dicarbonyl compounds, metal chelates of  $\beta$ -dicarbonyl compounds, peroxides and mixtures thereof.
2. A plastisol composition according to claim 1, wherein the at least one pulverulent organic polymer is selected from the group consisting of polyvinyl chloride, copolymers of vinyl chloride with vinyl acetate, styrene and/or alkyl (meth)acrylates, copolymers of styrene with (meth)acrylic acid, (meth)acrylamide and/or alkyl (meth)acrylates, copolymers of methyl or ethyl (meth)acrylate with C<sub>3</sub>- to C<sub>8</sub>-alkyl (meth)acrylates, alkyl (meth)acrylate homopolymers and mixtures thereof.
3. A plastisol composition according to claim 1, wherein the at least one pulverulent saccharide is selected from the group consisting of dextrose, glucose, galactose, mannose, fructose, arabinose, xylose, ribose, 2-deoxy-ribose, cellobiose, maltose (malt sugar), lactose (milk sugar), sucrose (cane sugar), gentiobiose, melibiose, trehalose, turanose, gentianose,

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kestose, maltotriose, melecitose, raffinose, stachyose,  
lychnose, secalose and mixtures thereof.

4. A plastisol composition according to claim 1, wherein the  
5 at least one pulverulent saccharide has an average particle size  
of 1 to 100  $\mu\text{m}$ .

5. A plastisol composition according to claim 1, additionally  
comprising up to 40 weight % of at least one filler.

10 6. A plastisol composition according to claim 1, wherein the  
at least one pulverulent saccharide has an average particle size  
of 1 to 20  $\mu\text{m}$ .

15 7. A plastisol composition according to claim 1 comprising 3  
to 10 weight % of at least one pulverulent saccharide.

8. A plastisol composition according to claim 1, wherein said  
at least one pulverulent saccharide is selected from the group  
20 consisting of dextrose, sucrose, and mixtures thereof.

25 9. A plastisol composition according to claim 1, additionally  
comprising at least one additive selected from the group  
consisting of pigments, anti-aging agents, rheology auxiliaries,  
blowing agents and mixtures thereof.

30 10. A plastisol composition according to claim 1, wherein said  
at least one plasticizer is selected from the group consisting  
of C<sub>4</sub>- to C<sub>16</sub>-alkyl phthalates.

35 11. A method of forming an adhesive or coating on a substrate,  
said method comprising applying the plastisol composition of  
claim 1 to said substrate, heating said plastisol composition,  
and cooling said plastisol composition to form a cured adhesive  
or coating.

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12. The method of claim 11, wherein said substrate is comprised of metal.

5 13. The method of claim 11, wherein said substrate is selected from the group consisting of steel, electrolytically galvanized steel, hot-dip galvanized steel, and organically coated steel.

10 14. The method of claim 11, wherein said substrate is part of a motor vehicle.

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